



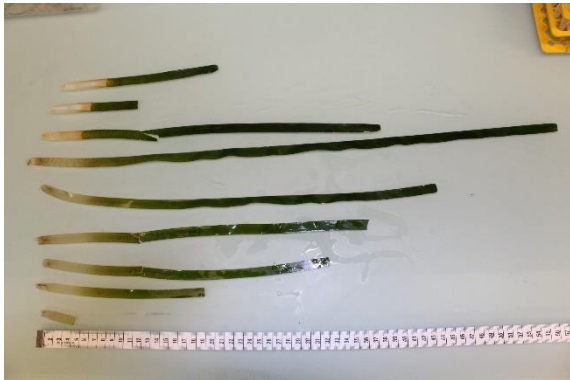
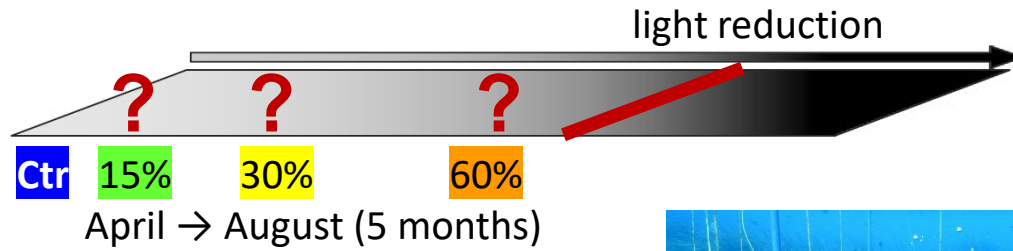
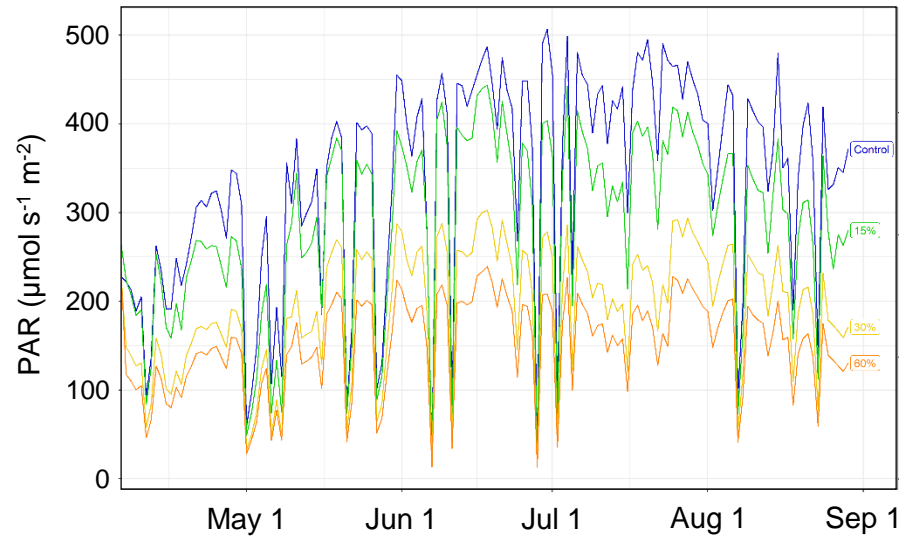
Experimental assessment of light decrease on the biology of *Posidonia oceanica*

Richir J., Luyckx A., Champenois W.,
Chou L., Corato A., Descy J.-P.,
Gobert S., Leduc M., Lutts S.,
Pfundel E., Walz S.,
Borges A.V.

18-05-2021,
Liège



Seagrasses & light



Light & seagrasses

ENVIRONMENT

SEAGRASS PHYSIOLOGY

Porewater chemistry

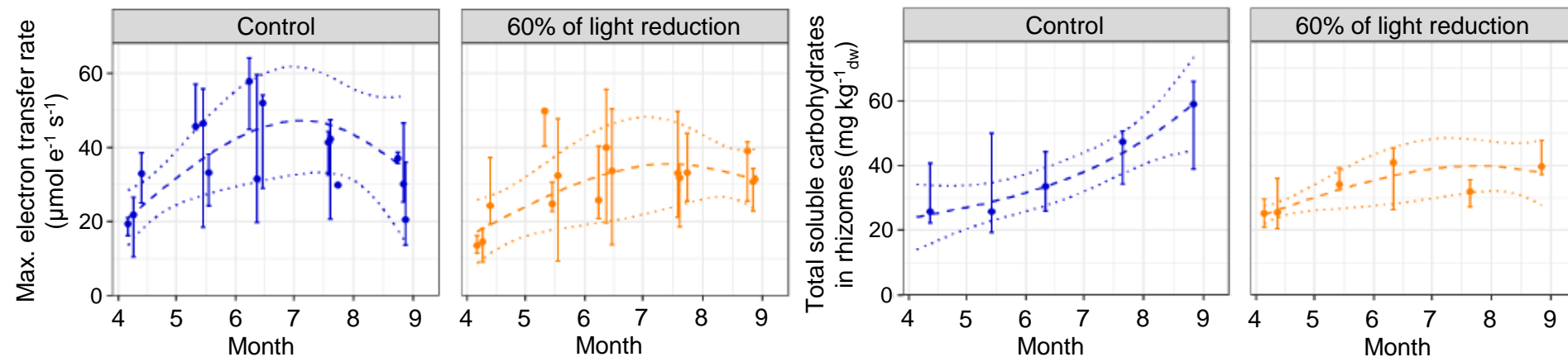
- (1) Leaf pigments
- (2) Photosynthesis
- (3) Carbohydrates

(4) Shoot biometry and leaf biomass productivity



NO CHANGE

BUT ...



Light acclimation of photosynthetic activity

Decrease in soluble carbohydrate storage

TAKE HOME MESSAGE

High resistance and resilience to five months light deprivation stress.

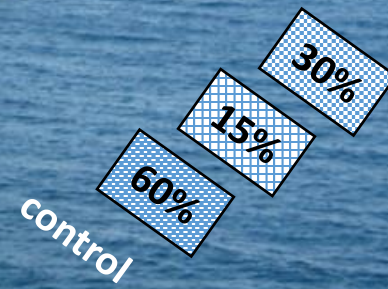
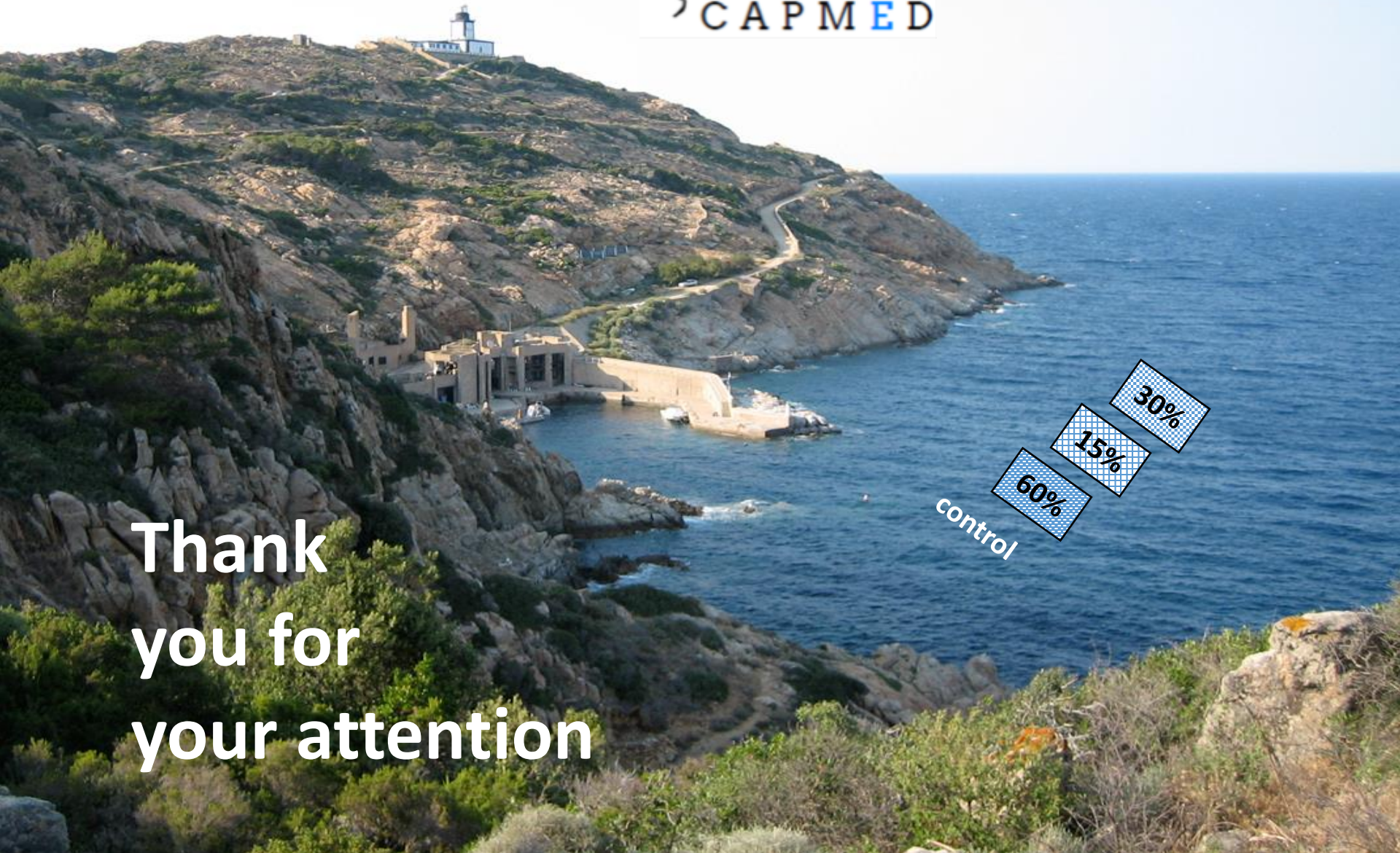
Decrease in carbohydrate storage = threat to meadow perennity if exposed to recurrent shading.



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Thank
you for
your attention